During a stage S572 of flowchart 570, compensation curve determination module 470 determines if operating temperature signal OT_{S2} (or alternatively operating temperature signal OT_{S1}) is less than a temperature T6 (e.g., -20 C). If so, during a stage S574 of flowchart 570, compensation curve determination module 470 generates the scale factors SF1-SF5 of SFD 371 as equating the scale factors SF1-SF5 of SFC 471a, respectively. Compensation curve determination module 470 also generates the offset values OV1-OV5 of OSD 372 as equating the offset values OV1-OV5 of OSC 472a.

Otherwise, during a stage S576 of flowchart 570, compensation curve determination module 470 determines if operating temperature signal OT_{S2} (or alternatively operating temperature signal OT_{S1}) is less than a temperature T7 (e.g., +20 C). If so, during a stage S578 of flowchart 570, compensation curve determination module 470 generates the scale factors SF1-SF5 of SFD 371 as equating a computation of an interpolation equation illustrated in stage S578 which is a function of both the scale factors SF1-SF5 of SFC 471a and the scale factors of SFC 471b. Compensation curve determination module 470 also generates the offset values OV1-OV5 of OSD 372 as equating a computation of an interpolation equation illustrated in stage S578 which is a function of both the offset values OV1-OV5 of OSC 472a and the scale factors of OSC 472b.

Otherwise, during a stage S580 of flowchart 570, compensation curve determination module 470 determines if operating temperature signal OT_{S2} (or alternatively operating temperature signal OT_{S1}) is less than a temperature T8 (e.g., +60 C) as listed in SFCs 471a-471c and OSCs 472a-472c. If so, during a stage S582 of flowchart 570, compensation curve determination module 470 generates the scale factors SF1-SF5 of SFD 371 as equating a computation of an interpolation equation illustrated in stage S582 which is a function of both the scale factors SF1-SF5 of SFC 471b and the scale factors of SFC 471c. Compensation curve determination module 470 also generates the offset values OV1-OV5 of OSD 372 as equating a computation of an interpolation equation illustrated in stage S582 which is a function of both the offset values OV1-OV5 of OSC 472b and the scale factors of OSC 472c.

Otherwise, during a stage S584 of flowchart 260, compensation curve determination module 470 the scale factors SF1-SF5 of SFD 371 as equating the scale factors SF1-SF5 of SFC 471c, respectively. Compensation curve determination module 470 also generates the offset values OV1-OV5 of OSD 372 as equating the offset values OV1-OV5 of OSC 472c.

FIG. 9A illustrates a compensation parameter determination module 480 as one embodiment of compensation parameter determination module 380 (FIG. 7). Compensation parameter determination module 480 provides scale factor signal SF_{S2} (FIG. 7) and offset value signal OV_S (FIG. 7) in response to relative velocity signal RV_S, SFD 371, and OSD 372. In generating scale factor signal SF_{S2}, compensation parameter determination module 480 includes a scale factor curve 481 ("SFC 481") that includes scale factor data SF1-SF5 included within SFD 371, and relative velocities RV1-RV5 that are identical to the relative velocities RV1-RV5 listed in SFC 471a-471c and OSC 472a-472c (FIG. 8A). Compensation parameter determination module 480 utilizes SFC 481 in implementing a scale factor determination method in accordance with the present invention. FIG. 9B illustrates a flowchart 680 that is representative of the scale factor determination method.

During a stage S682 of flowchart 680, compensation parameter determination module 480 determines if relative velocity signal RV_S is less than a relative velocity RV1 as listed in SFC 481. If so, during a stage S684 of flowchart 680, compensation parameter determination module 480 generates scale factor signal SF_{S2} equating a scale factor SF1 as listed in SFC 481.

Otherwise, during a stage S686 of flowchart 680, compensation parameter determination module 480 determines if relative velocity signal RV_S is less than a relative velocity RV2 as listed in SFC 481. If so, during a stage S688 of flowchart 680, compensation parameter determination module 480 generates scale factor signal SF_{S2} equating a computation of an interpolation equation illustrated in stage S688, which is a function of scale factor SF1, a scale factor SF2, relative velocity RV1, and relative velocity RV_S as listed in SFC 481.

Otherwise, during a stage S690 of flowchart 680, compensation parameter determination module 480 determines if relative velocity signal RVs is less than a relative velocity RV3 as listed in SFC 481. If so, during a stage S692 of flowchart 680, compensation parameter determination module 480 generates scale factor signal SF_{S2} equating a computation of an interpolation equation illustrated in stage S692, which is a function of scale factor SF2, a scale factor SF3, relative velocity RV2, and relative velocity RV3 as listed in SFC 481.

Otherwise, during a stage S694 of flowchart 680, compensation parameter determination module 480 determines if relative velocity signal RVs is less than a relative velocity RV4 as listed in SFC 481. If so, during a stage S696 of flowchart 680, compensation parameter determination module 480 generates scale factor signal SF_{S2} equating a computation of an interpolation equation illustrated in stage S696, which is a function of scale factor SF3, a scale factor SF4, relative velocity RV3, and relative velocity RV4 as listed in SFC 481.

Otherwise, during a stage S698 of flowchart 680, compensation parameter determination module 480 determines if relative velocity signal RVs is less than a relative velocity RV5 as listed in SFC 481. If so, during a stage S700 of flowchart 680, compensation parameter determination module 480 generates scale factor signal SF_{S2} equating a computation of an interpolation equation illustrated in stage S700, which is a function of scale factor SF4, a scale factor SF5, relative velocity RV4, and relative velocity RV5 as listed in SFC 481.

Otherwise, during a stage S702 of flowchart 680, compensation parameter determination module 480 generates scale factor signal SF_{S2} equating scale factor SF5 as listed in SFC 481.